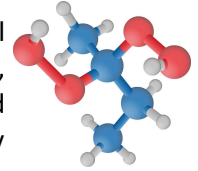


METOX-VLHP90

Date of update: May 25, 2017

Metox-VLHP90 is a peroxide initiator, based on methyl ethyl ketone peroxides in dimethyl phthalate. In comparison to standard MEKP, the initiator has much less hydrogen peroxide, water and methyl ethyl ketone. Metox-VLHP90 may be applied as hardener for unsaturated polyester resins (UPR), gel coats, in the presence of cobalt accelerator. It is especially recommended for hardening of gel coats, because of very low amount of hydrogen peroxide, water and methyl ethyl ketone.



This initiator of high purity, may be applied for the production, where the use of Permixon-MC96 shows too quick gel time. Compared to Metox-BW85 it presents shorter gel time.

Product description	2-butanone peroxide in dimethyl phthalate
Appearance	Clear, colorless solution
Active oxygen	8,8 ÷ 9,1%
Peroxides	35%
Water content	Approximately 1,3%
Density at 20°C	1,167 ÷ 1,171 g/cm ³
Solubility	Phthalates
Slightly soluble in	Water
SADT	60°C
Recommended storage temperature	0 - 25°C
Hazards	Oxidizing agent, decomposes rapidly under the influence of heat, mechanical impurities or by contact with reducing agents. Never mix hardener with accelerator.
<i>Recommended precautions and first aid measures - see Material Safety Data Sheet for the mixture.</i>	

Copolymerization process: resin (100g) - hardener (2g)

Hardener	Gelling time	The highest temperature	Time to temperature peak
	[min]	[°C]	[min]
METOX-VLHP90	24-25	163,4-165,6	40-41
METOX-BW85	30-31	163,8-167,0	47-51
PERMIX-MC96	22-24	162,8-166,0	38-29

Data for the resin used: orthophthalic unsaturated polyester, thixotropic – preaccelerated, low styrene emission.

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